***EE 492 WEEKLY REPORT 11 Date: for example 03***[***/26/17 to 04/02/17***](https://bb.its.iastate.edu/webapps/assignment/uploadAssignment?content_id=_2843610_1&course_id=_53546_1&assign_group_id=&mode=view)

***Group number: 26***

***Project title: Breast Feeding Flow Meter***

***Client &/Advisor: David Whitaker/ Santosh Pandey***

***Team Members/Role:*** Chukwudike C-Madu- Team Leader, Michael Brumfield- Team Webmaster Richard Milan- Team Communication Leader, Daryck Brown- Team Key Concept Leader Boris Ndoutoume- Team Key Concept Leader

* **Weekly Summary (Short summary about what you did this week)**

This week, the hardware team tried to keep in contact with the design files for the flexible PCB however the engineer we were in contact with went on vacation.

**Past week accomplishments (please describe as what was done, by whom, when)**

* Chukwudike C-Madu: Discussed flexible PCB with vendors.
* Michael Brumfield: Worked on software gui interface changes
* Richard Milan: Prepared blueprint for soldering I2C communication code.
* Daryck Brown: Continued writing I2C communication Arduino code
* Boris Ndoutoume: Worked on mobile app flow-meter specs

**Pending issues (if applicable)**

Flexible PCB company was not straight forward with the group on his design plans.

**Individual contributions**

|  |  |  |  |
| --- | --- | --- | --- |
| **NAME** | **Individual Contributions** | **Hours this week** | **HOURS**  **cumulative** |
| Chuck | Began setting parameters for accuracy measurements in milk flow. | 10 | **63** |
| Micheal | Researched google firebase | 11 | **63** |
| Richard | Finalized flexible PCB design | 8 | **67** |
| Daryck | Wrote Arduino code for I2C bus communication. | 10 | **68** |
| Boris | Worked on analysing documentation for supplementary features | **14** | 69 |

* **Comments and extended discussion**

**Plan for coming week (please describe as what, who, when)**

* Chuck: will begin editing bluetooth Arduino code with Daryck.
* Michael: will clean up app GUI and bluetooth bit conversion.
* Richard: will make any adjustments to circuit schematic and pcb design in multisim/ultiboard.
* Daryck: Will continue testing the light sensor using the arduino as the host micro-controller and begin Arduino C code.
* Boris: will continue to work on researching android features for app.
* **Summary of weekly advisor meeting (if applicable/optional)**